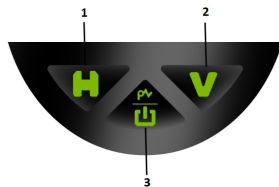


Thank you for purchasing Huepar 360° Self-leveling Cross Line Laser Level.
Before using the product, please read this manual thoroughly to ensure proper use.

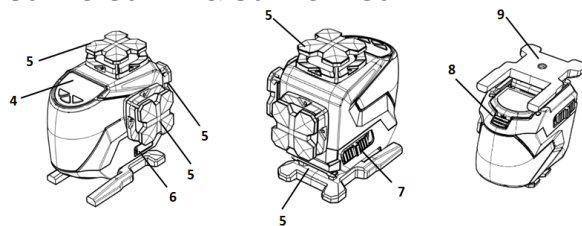
- Product Overview
- Safety Instructions
- Charging and Battery Safety
- LCD Display & LED Indicator
- Operation
- Remote Control (Optional)
- Huepar Bluetooth APP/APK (Optional)
- Specifications
- Warranty

Product Overview

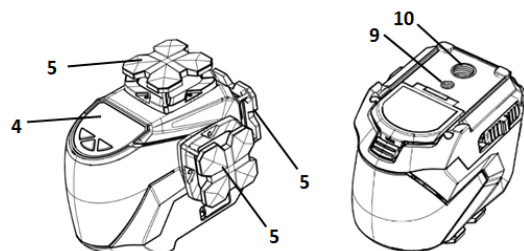
1. Switch Horizontal Line(s)
2. Switch Vertical Lines
3. ON / OFF Button & Pulse Mode Button
4. LCD Display or LED Indicator
5. Laser Windows
6. Type-C Charging Port
7. Pendulum / Transit Lock
8. Battery Compartment
9. 1/4"-20 Threaded Mount
10. 5/8"-11 Threaded Mount



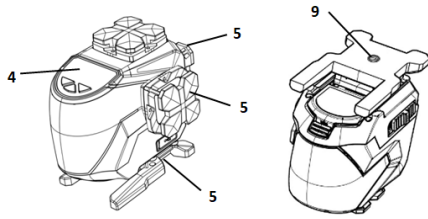
S04CG/S04CR & S04CG-L/S04CR-L:



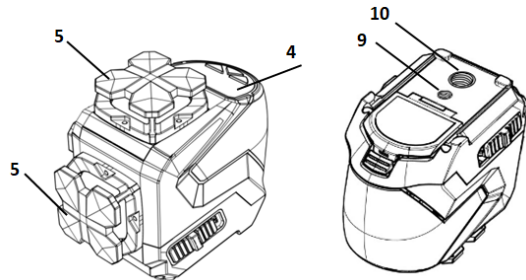
S03CG/S03CR & S03CG-L/S03CR-L:



S03DG/S03DR & S03DG-L/S03DR-L:



S02CG/S02CR



Safety Instructions

Please read thoroughly and comply with the Safety Instructions and User Manual before using this product. Failure to read and follow may void the warranty.

WARNING!

CLASS II LASER PRODUCT

COMPLIES WITH CFR 1040.10 AND 1040.11

Max. Power Output: <1mW

Wavelength: 505nm-660nm

LASER RADIATION:

DO NOT STARE INTO BEAM.

DO NOT DIRECT EYE EXPOSURE.

AVOID VIEW WITH OPTICAL INSTRUMENTS.

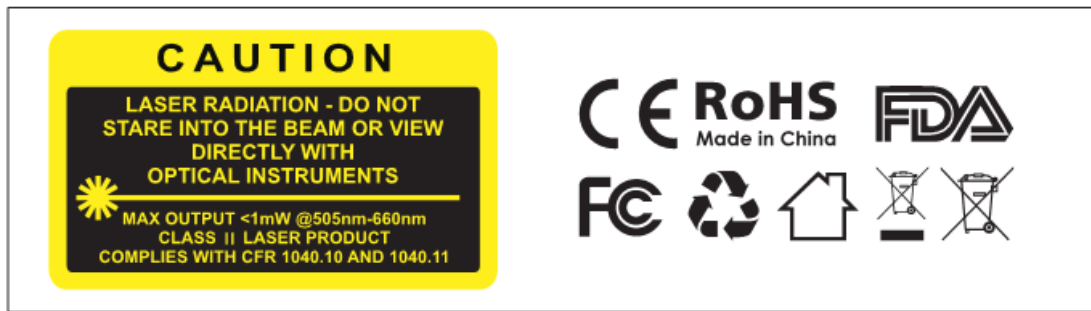


IEC/EN60825-1:2014

ATTENTION:

Read all instructions prior to operating this laser tool. Do not remove any labels from tool.

- While the product is in operation, be careful not to expose your eyes to the emitting laser beam (Green/Red light source). Exposure to a laser beam for an extended time may be hazardous to your eyes.
- Do not attempt to view the laser beam through optical tools such as telescopes as serious eye injury may result.
- Do not disassemble or modify the laser in any way. Modifying the tool may result in hazardous Laser Radiation Exposure.
- Do not operate the laser around children or allow children to operate the laser. Serious eye injury may result.
- An exposure to the beam of a Class 2 laser is considered safe for a maximum of 2 seconds. Eyelid reflexes will normally provide adequate protection.
- The following label/print samples are placed on the product to inform of the laser class for your convenience and safety.



User Guide, Maintenance and Care

- When not in use please power OFF the tool and place the pendulum lock in locked position.
- The laser tool is sealed and calibrated at the plant to the accuracy specified.
- It's recommended to carry out an accuracy check before its first use and periodic checks during future use especially for precise layouts.
- Do not touch the glass window in case leaving any fingerprint on the window, which may affect the working performance of the laser.
- Do not store the laser tool in direct sunlight or expose it to high temperatures. The housing and some internal parts are made of plastics and may become deformed at high temperatures.
- Exterior plastic parts may be cleaned with a damp cloth, NEVER use solvents. Use a soft, dry cloth to remove moisture from the tool before storage.
- Store the tool in its case when not in use. If storing for extended time, remove batteries before storage to prevent possible damage.
- Do not dispose of this product with household waste.
- Always dispose of batteries per local code.
- Please recycle in line with local provisions for the collection and disposal of electrical and electronic waste under the WEEE Directive.

Charging and Battery Safety

This product can work with either AA batteries or lithium battery. It may be equipped with AA batteries or lithium battery by different dealers. Please check the contents of the package according to the dealer's description.

Please read thoroughly and comply with battery safety instructions and attention before charging.

Fail to read and follow may result in personal injury, fire, and property damages if the battery is charged and/or used improperly.

Lithium Battery Safety:

- A power adapter with 5V=1A or 5V=2A or 5V=3A can be used for charging.
- Please charge in 24 hours when the low battery or the laser tool turns off due to low power.
- If the lithium battery is not used for extended time, please charge the lithium battery once every 6 months, each charging time is not less than 6 hours.
- The best charging temperature: 0°C to 20°C (32°F to 68°F)

※ Note:

- The laser tool is able to work while being plugged in directly even if taking out the battery.

- 5V=2A adapter is recommended for S04CG/S04CR & S04CG-L/S04CR-L.
- Li-ion Battery may be upgraded to be with charging function for upgraded version.

AA Battery Safety:

- Please pay attention to the position of the positive and negative pole.
 - Please use large-capacity rechargeable batteries or alkaline battery above 1500mAh for each when replace batteries.
 - Do not mix old and new batteries. Replace all of them at the same time with new batteries of the same brand and type.
- ✘ **Note: Avoid charging the device without taking out the alkaline batteries.**

Attention:

- DO NOT SHORT CIRCUIT. Short circuits may cause fire, and injury!
- Do not charge unattended.
- Do not disassemble, or modify the battery.
- Keep the battery away from children, and pets.
- Immediately discontinue use of the battery if the battery becomes abnormal/ deformed (emits an unusual smell, feels hot, changes color or shape, or appears abnormal in any other way). Please contact the manufacturer to replace it.
- Never charge or store the batteries inside your car. Extreme temperatures (low or high) might ignite the battery, and cause a fire.
- Do not place the battery in high-pressure containers, microwave ovens, or on induction cookware.
- Do not carry, or store the batteries together with hairpins, necklaces, or other metal objects.
- On (battery electrolytes) exposure to skin, flush with water immediately. If eye exposure occurs, flush with water for 15 minutes, and seek emergency care immediately.

LCD Display & LED Indicator

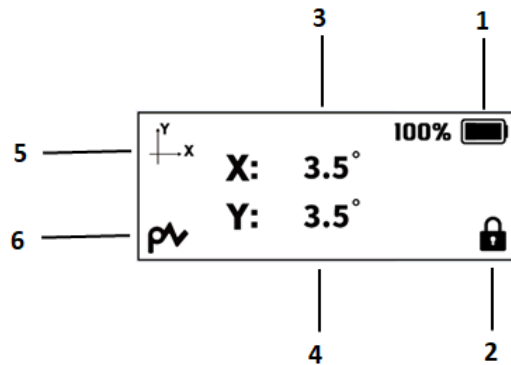
Different models have different status display indicators. Please confirm the purchased model according to the label on the machine. If you have any questions, please contact the dealer.

	S02CG S02CR	S03CG S03CR	S03DG S03DR	S04CG S04CR	S03CG-L S03CR-L	S03DG-L S03DR-L	S04CG-L S04CR-L
LCD Display	x	✓	✓	✓	x	x	x
Power Indicator	✓	x	x	x	✓	✓	✓






Icons on LCD Display:

A. Icons Introduction



1. Battery Level
2. Pendulum Locked & Unlocked Status
3. X Axis Tilt Angle
4. Y Axis Tilt Angle
5. X/Y Axis Tilt Direction
6. Pulse Mode Icon





B. Battery Level Icon on LCD Display:

- After power on, the battery level icon will be displayed on the LCD display to indicate different battery status and battery level.
- When battery is low and needs to be charged, the icon  will display and flash.
- During charging, the icon  will scroll.
- When charging is complete, the icon  will display.
- The laser tool is able to work while being plugged in directly even if taking out the battery, and the icon  displayed.
- When laser tool is with AA batteries, the icon  will display.

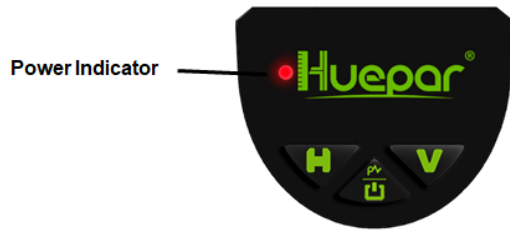
C. Pendulum Locked & Unlocked Status:

- **Pendulum Unlocked:** When the self-leveling mode is activated, the icon  will be showed on the LCD display
- **Pendulum Locked:** When the manual / tilt mode is activated, the icon  will be showed on the LCD display.

D. Pulse Mode Icon:

- **When switch to Pulse Mode,** the icon  will be showed on the LCD display.
- **When return back to Normal Mode,** the icon  will disappear from the LCD display.

Power Indicator:



A. Battery and Charging:

- After Power ON, the power indicator will light up in green.
- When Li-ion battery is low and needs to be charged, the power indicator will flash in red.
- During battery charging, the power indicator will flash in green.
- When charging is complete, the power indicator will light up in green continuously.

B. Function:

- When switch to Pulse Mode, the power indicator will light up in blue.
- When return back to Normal Mode, the power indicator will return to green.


Operation

Turn ON the laser tool:



A. Method 1: Turn ON the Self-leveling Mode:

- Slide the pendulum to the Unlocked Position to turn ON the laser tool, the self-leveling mode is activated by default.
- The laser beam(s) blink fast and laser tool will beep as well when the tool is out of self-leveling range ($3.5^\circ \pm 1^\circ$).

B. Method 2: Turn ON the Manual / Tilt Mode:

- When the pendulum in Locked Position, press  and hold for ≥ 2 seconds to turn ON the laser tool, the manual mode is activated by default.
- The laser beam(s) will blink about every 3-5 seconds to notify the user it is not self-leveling now.
- Under manual mode, users can position the laser tool at various angles.

※ Note:

- Please notice the laser beam(s) projected in manual mode cannot be used as a horizontal or vertical reference in nature.
- The pendulum lock and unlock status icon ( or ) will be displayed on the LCD and Huepar APP/APK software page to indicate that it is currently in self-leveling mode or manual mode.

Turn OFF the laser tool:


A. If the laser tool is in Self-leveling Mode:

- Slide the pendulum to the Locked Position to turn OFF the laser tool.

B. If the laser tool is in Manual Mode:

- **Method 1:** Slide the pendulum to the Unlocked Position, and then slide the pendulum

again to the Locked Position to turn OFF the laser tool.

- **Method 2:** When the pendulum is in the Locked Position, press  and hold for ≥ 2 seconds to Turn OFF the laser tool.

C. Automatic Power OFF:



- In Manual Mode, when all laser lines are switched OFF ~~as well as the LCD is still ON~~, the laser tool will **Automatically Turn OFF** after about 5 minutes of inactivity.

※ Note:

- The laser level can only be turned off when the pendulum in its Locked Position.
- If all laser lines are switched OFF while the laser tool is still powered ON, the laser tool will beep every 30 seconds to remind the laser tool that it is not turned OFF.
- Please note if all laser lines are switched OFF, while the LCD display or LED indicator is not turned off, the laser tool is not turned OFF.


Lines Switching:

After turned ON the laser tool, all laser beams will be on by default.

- Short press  to switch the horizontal line(s).
- Short press  to switch the vertical lines.


Pulse Mode (Use with Laser Receiver):

- With the pulse mode on, the laser tool can work with the laser receiver for working in a brighter environment or a larger working distance.

- **Switch to Pulse Mode:** Turn on the laser tool, short press  to switch to Pulse Mode. The laser beams are dimmer in pulse mode.

- **Return Back to Normal Mode:** Short press  again to return to Normal Mode. The laser beams will be recovered.

※ Note:

- When switching between Pulse Mode and Normal mode, the laser beam(s) will blink fast as a reminder.
- **For versions with LCD display,** the pulse mode icon  will be displayed on the LCD display when switch to pulse mode, and will disappear from the LCD display when return back to the normal mode.
- **For versions with power indicator,** the power indicator will light up in blue when switch to Pulse Mode, and return to green when return back to Normal Mode.
- Keep the pulse mode on when using with receiver for larger working range.

Different models have different Bluetooth and functional modules. Please confirm the model you purchased according to the label on the machine. If you have any questions, please contact the dealer.

	S02CG S02CR	S03CG S03CR	S03DG S03DR	S04CG S04CR	S03CG-L S03CR-L	S03DG-L S03DR-L	S04CG-L S04CR-L
Bluetooth Remote Control	x	✓	✓	✓	x	x	x
Bluetooth APP/APK Function	✓	✓	✓	✓	x	x	x

Huepar Bluetooth APP/APK (Optional)

Connect the laser tool to Bluetooth APP/APK:

Step 1: Download Huepar APP/APK

Method 1: Scan the QR code

Method 2: Search "Huepar" in iPhone App Store or Google Play

Method 3: Click the link:

<http://xwayserver.pairlink.com.cn/79813391439>



Step 2: Turn on Bluetooth on your phone



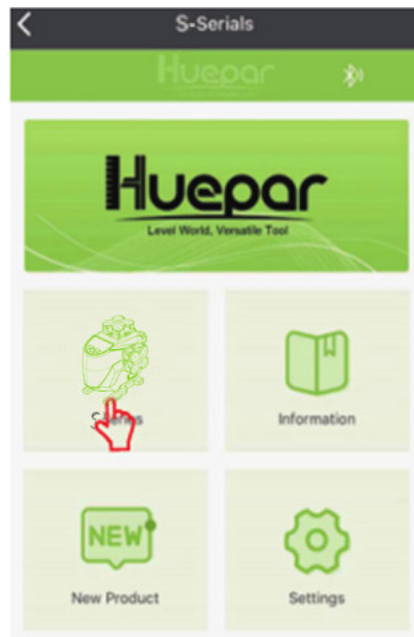
Step 3: Power on the laser tool

Step 4: Open Huepar APP/APK software








Step 5: Complete the Bluetooth match and connection with the laser tool

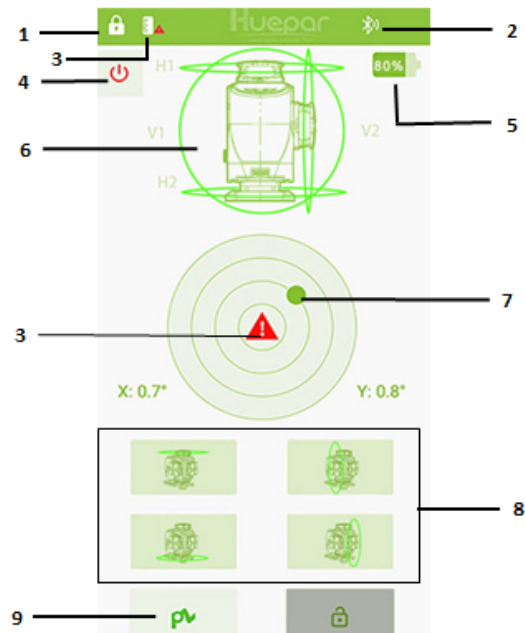
- If the connection fails, please exit the APP/APK software and restart the APP/APK software to restore the connection.
- The laser tool is able to connect two APPs/APKs or one APP and one APK at the same time.

Step 6: Click "S Series" to enter the operation interface



Function Introduction:

1. Smart Pendulum Lock Status: The unlocked or locked icon indicates the status of the pendulum.
2. Bluetooth Connection Status
3. Laser Tool Status Reminder: Under self-leveling mode, icon (3) will be displayed as reminder if the tool is beyond self-leveling range.
4. Click the icon  once to switch ON / OFF all laser lines in one click:
 - **In Self-leveling Mode**, when click the icon , all laser lines will be switched OFF temporarily while the laser tool remains powered on. When moving the laser tool, the laser beam(s) will blink fast to remind you the laser tool has not been powered off.
 - **In Manual Mode**, when all laser lines is switched OFF by clicking the icon , the laser tool will **Automatically Turn OFF** after about 5 minutes of inactivity. Click the icon  within 5 minutes again will reactivate the laser tool.
 - To turn off or store the laser tool, please be sure to slide the pendulum to the locked position.
5. Battery Status: When Li-ion battery installed, icon  will be displayed. When AA batteries installed, icon  will be displayed. When no battery installed, icon  will be displayed.
6. The composition of laser lines
7. Bubble Level
8. Different compositions of different laser lines
9. Switch ON/OFF the pulse mode



Note:

- Do not use the laser tool with Bluetooth in the vicinity of gas stations, chemical plants, areas where there is danger of explosion and areas subject to blasting.
- Please read thoroughly and comply with the Safety Instructions and User Manual of the laser tool.
- Do not use the laser level with Bluetooth in airplanes. Do not use the laser level with Bluetooth in the vicinity of medical devices(eg., cardiac pacemakers, hearing aids). This may cause interference.
- The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Huepar is under license.

Specifications

Model	Green Beams	Red Beams
Laser Class	Class 2 (IEC/EN60825-1/2014), <1mW	
Laser Wavelength	505-520nm	635-660nm
Leveling Accuracy	±2mm/10m (±1/13 in. at 33 ft)	
Leveling / Compensation Range	3.5°±1°	
Self-leveling Time	3 seconds	
Reference Working Distance (60-100 LUX)	≥20m/ 66ft	≥20m/ 66ft
Reference Working Distance (with Laser Detector)	≥40m/ 130ft	≥40m/ 130ft
Power Source (Optional)	Li-ion Battery 7.4V 2600mAh / 4×"AA"	
Reference Operating Time (with 7.4V/2600mAh Li-ion	S02CG: About 8 hrs S03CG(-L): About 7 hrs	S02CR: About 11 hrs S03CR(-L): About 9 hrs

Battery)	S03DG(-L): About 7hrs S04CG(-L): About 5 hrs	S03DR(-L): About 9 hrs S04CR(-L): About 7 hrs
Reference Operating Time (with "AA" Battery above 1500mAh)	S02CG: About 2 hrs S03CG(-L): About 1.5 hrs S03DG(-L): About 1.5 hrs S04CG(-L): About 0.5 hr	S02CR: About 3.5 hrs S03CR(-L): About 2.5 hrs S03DR(-L): About 2.5 hrs S04CR(-L): About 1.5 hrs
Charging Time	About 3 hrs for 5V=1A Adapter About 2 hrs for 5V=2A Adapter About 1.5 hrs for 5V=3A Adapter	
Mount Size	S02CG/S02CR: 1/4"-20 & 5/8"-11 S03CG(-L)/S03CR(-L): 1/4"-20 & 5/8"-11 S03DG(-L)/S03DR(-L): 1/4"-20 S04DG(-L)/S04DR(-L): 1/4"-20	
IP Rating	IP54	
Work Temperature	-10°C ~ +50°C	
Storage Temperature Range	-20°C ~ +70°C	

※ **Note:**

- Appearance and specifications may differ due to product improvement.
- Working distance varies depending on the operating environment.
- Keep the pulse mode on when using with receiver for longer working range.

Warranty

The laser tool passed a rigorous and comprehensive product inspection. We are confident in the quality of our products and provide excellent guarantee for professional users of the products.

We offer One Year Warranty from date of purchase including that:

- Proof of purchase is produced
- Service/repairs have not been attempted by unauthorized persons
- The product has not been misused

Defective products will be repaired or replaced, free of charge or at our discretion, if sent together with proof of purchase to our authorized distributor(s).

This Warranty does not cover:

- Faults caused by accidental damage
- The product has suffered unreasonable wear and tear
- Failure to use according to manufacturers' instructions
- Defects caused by maintenance or renovation without our authorization
- Calibration and maintenance are not included in the warranty

※ **Note:**

- We are not liable for any direct or indirect loss caused by the failure of this product beyond the scope stipulated by law.
- Repair or replacement under this Warranty does not affect the expiry date of the Warranty.
- This warranty is only applied to customers who have purchased this product, and is not permitted to transfer this warranty to any third parties.
- This Warranty shall not be altered without our authorization.

You can enjoy a 12 months limited warranty but it can be up to 24 months if you register as a member through the product registration. Please scan the QR code to activate your priority.

If you encounter any question or confusion about the product, please feel free to contact us: [**support@huepar.com**](mailto:support@huepar.com)



FCC ID: 2AXME-S04CG

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.